

Berry BARRIERS

# Barriers

Berry SYSTEMS

www.berrysystems.co.uk

# About Berry Systems

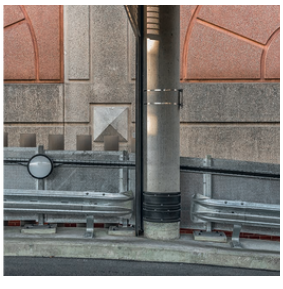
## For over 50 years, we have led the market in vehicle restraint systems, offering modern, cost-effective solutions that are fully tested and approved.

With extensive experience and a modern design approach, Berry Systems provides a wide range of barrier solutions for both new and existing car park and warehouse projects. Known for our high protection standards, we supply fully approved systems that meet strict industry regulations. Our range includes everything from traditional floor and column-mounted safety barriers to column protectors, wall-mounted systems, warehouse barriers, and solutions for pedestrian and vehicle segregation, access control and speed control.

# Wall & Column Mounted

### WH Buffer





WH Buffer is a wall mounted system to offer nudge protection to walls adjacent to traffic areas that would result in costly maintenance and repair. In areas where there is insufficient room for a surface or floor mounted barrier, Berry's WH Buffers are an ideal solution as they are affixed directly into the wall to protect it from the full force of a collision. This system is comprised of spring steel so will slightly deflect upon impact to contain it.

### System 3





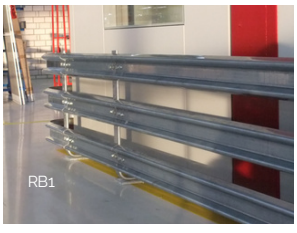
System 3 utilises steel bars instead of wire ropes. This column mounted system is 'locked off' at each column location. Where suitable columns are not available, the Berry Flexi-Bollard can be employed to give absolute design flexibility and even lower deflection levels when subjected to an impact. The steel bars can be easily and speedily replaced if necessary. The reduced impact deflection figures make System 3 attractive for both new build and refurbishment projects.

# Flexible Floor Mounted

## Spring Steel Buffer – RB1 & RB1X


RB1X


RB1 with double crank extension, handrail mesh & flexbeam


RB1

This flexible system offers an economical footprint, with impact deflection contained within the barrier area by reducing post centres. Under impacts defined in the relevant BS EN Standard, deflection typically remains around 300mm. This design ensures that impact forces are absorbed by the buffers, rather than transmitted directly to the mounting bolts or causing deformation of the rail. Usually, only one or two 20mm bolts are required, with a minimal embedment depth of 75mm and a pull-out loading of less than 50kN. Compared to rigid posts, this system requires a quarter of the bolts at half the embedment depth, offering substantial savings in installation time and materials. Additionally, the RB1X model can feature our patented BS EN 6180 restraint strap, which limits handrail deflection under pedestrian loading without compromising the beneficial flexibility of the spring steel posts. The safety mesh and handrail are designed to withstand impacts up to 300kN.

## Flexible HD Buffer



HD Buffer is specifically designed to withstand impacts from large heavy goods vehicles used regularly in off-road environments e.g., warehousing and industrial. It can absorb the impact of a 40-tonne vehicle travelling at 5.39km/h from a 90° impact. This buffer can facilitate an Open Box Beam profile and is available with handrail and mesh as optional extras. The HD buffer system can withstand impacts up to 450kN.

# Column Protection Units

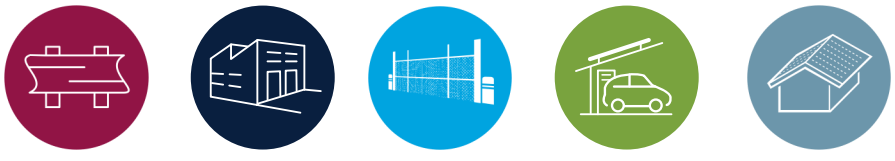
## Column Buffer Plus





The column buffer units utilise our RB1 posts with a radius warehouse rail in a semi-circle design, available in standard diameters of 500mm, 750mm, and 1000mm. This rail allows us to achieve tight radii, making it adaptable to most column sizes. In addition to full column protection, the units can be configured for three-sided or corner protection.

# World Class Solutions Provider



Barriers | Industrial | Security | Energy | Special Projects

A world class engineering solutions provider, Berry Systems is the market leader in the design, engineering, supply and construction of a wide portfolio of products.

Design | Engineering | Supply | Manufacture | Construct | Project Management

**Berry Systems Limited**
**North Trade Road**
**Battle**
East Sussex
TN33 9LJ

01424 775333
sales@berrysystems.co.uk
berrysystems.co.uk

Littlewood GROUP Berry Systems Ltd, a subdivision of Littlewood Group